

# SAFETY DATA SHEET

Product Name : FSS ProClean CPVC

Date Issued : November 20, 2015

## SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** FSS ProClean CPVC  
**Formula :** Multi-component mixture

**Chemical Synonym / C# :** c1049  
**Chemical Family:** Alkaline Detergent

**Supplier :** Huguenot Laboratories 101 Riverdale Rd. Port Jervis, NY 12771

**Information Telephone :** (800)228-3793

**Emergency Telephone :** (855) 347-8203

## SECTION 2 : HAZARD IDENTIFICATION

**Form :** Liquid **Color :** Clear, amber

**Emergency Overview :** Solutions are eye and skin irritants, and prolonged or repeated contact may cause irritation. Mists are irritating to the skin, mucous membranes, and upper respiratory tract. Read the entire SDS for a more thorough evaluation of the hazards.

**OSHA Hazard Communication Standard :** This product has been evaluated and classified as defined by OSHA Hazard Communication Standard, 29CFR 1910.1200.

**GHS Classification :**

Eye Irritation (Category 2A Irritant)

Skin Irritation (Category 2 Irritant)

**Label Elements :**

**Signal Word :** Warning



**GHS Hazard Pictograms :**

Exclamation Mark

**Hazard Statements :**

H303 May be harmful if swallowed

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

**Precautionary Statements :**

P102 Keep out of reach of children.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P281 Use personal protective equipment as required.

P301+ 312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P304 + 312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 IF eye irritation persists: Get medical advice/attention.

P302 + 351 IF ON SKIN Rinse cautiously with water for several minutes.

P333 + P313 IF SKIN irritation or rash occurs: Get medical advice/attention.

**Other hazards which do not result in classification :**

None known. See Section 11 for Potential Health Hazards

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## SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	CAS #	% (w/w)
Tetra Potassium Pyrophosphate	7320-34-5	1 - 5
Potassium Hydroxide	1310-58-3	1 - 5
Potassium Carbonate	584-08-7	1 - 5

Unlisted components are considered non-hazardous as per 29CFR1910.1200g2C. See section 15 for specific state right-to-know information if applicable.

## SECTION 4 : FIRST AID MEASURES

**Eye Contact:** Immediately flush contacted area repeatedly with water for at least 15 minutes, holding eyelids open. Contact a physician for treatment.

**Skin Contact:** Immediately flush contacted area repeatedly with water for at least 15 minutes. If irritation persists, contact a physician for treatment. Clean contaminated clothing before reuse.

**Inhalation:** Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs, remove victim to fresh air. If irritation persists, seek medical attention.

**Ingestion:** Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. Give 1-2 glasses of water to drink, if conscious and alert.

**Notes to physician :** treat symptomatically. No specific antidote available. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## SECTION 5 : FIRE FIGHTING MEASURES

**Extinguishing Media:** None required.

**Fire Fighting Procedures:** Use caution when fighting any fire. Adequate respiratory protection is essential.

**Unusual Fire and Explosion Hazards:** None known.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

**Personal precautions :** Use suitable protective equipment (See Section 8 : "Exposure controls / personal protection").

**Steps to be taken in case material is released or spilled:**

**Small Spill:** Absorb with suitable absorbent such as sand or vermiculite.

**Large Spill:** Stop leak at source and contain spill with dike made of inert material such as sand or diatomaceous earth. Pump material to suitable container for possible reuse.

**Solid spill:** Sweep up and return to container.

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## SECTION 7 : HANDLING AND STORAGE

**Handling:** Avoid breathing vapors and mists. Avoid direct or prolonged contact with skin and eyes. In cold weather, liquids may stratify and freeze. This does not damage the product. If freezing occurs, thaw and remix before using. Frozen material may be thawed in a warm room. Avoid localized overheating. Vent drums while heating. Mix thoroughly to assure homogeneity. Handle with care. Wash thoroughly after handling.

**Storage Requirements:** Keep container closed. Store in an area that is dry and well-ventilated, away from incompatible materials (see section 10). For Industrial and commercial use only!

## SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous Ingredient	ACGIH TLV (mg/m3) TWA	ACGIH TLV (mg/m3) STEL
Tetra Potassium Pyrophosphate	-	-
Potassium Hydroxide	-	2 (ceiling)
Potassium Carbonate	-	-

### **Engineering measures :**

**Ventilation / Local Exhaust :** General room ventilation.

**Ventilation / Mechanical Recommendations:** None required.

### **Personal protective equipment :**

**Respiratory Protection:** Not required for properly ventilated areas.

**Skin Protection:** Vinyl or rubber protective gloves.

**Eye Protection:** Goggles or face shield.

**Other Protective Equipment:** Vinyl apron (optional).

## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

**Appearance / Odor:** Clear amber liquid, odor nil.

**Water Solubility:** complete

**Specific Gravity:** 1.05

**Evaporation Rate(water=1):** N/A

**Vapor Density(air=1) :** N/A

**Flash Point :** None

**Flammable Limits:** LEL = N/A UEL = N/A

**pH (100%):** > 12

**Boiling Point (°F) :** 212+

**% Volatile:** N/A

**Vapor Pressure(mmHg):** N/A

**Flash Point Method Used:** N/A

## SECTION 10 : STABILITY AND REACTIVITY

**Hazardous Decomposition Products:** None.

**Chemical Stability:** Stable.

**Conditions to Avoid:** Avoid contact with hot solutions, splashing solutions, prolonged skin contact.

**Incompatibility with other Substances:** Acids, oxidizers

**Hazardous Polymerization:** Will not occur.

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## SECTION 11 : TOXICOLOGICAL INFORMATION

### **Potential Health Hazards (as mild alkaline or detergent blend) :**

**Inhalation:** Inhalation of mists or dusts may cause irritation to respiratory tract. Symptoms from excessive inhalation or of concentrated product may include gasping or coughing and difficulty breathing. Excessive contact may cause damage to the nasal septum.

**Skin Contact:** May cause mild irritation. Concentrated or prolonged contact may cause irritation with redness and blistering.

**Eye Contact:** May cause mild irritation. Concentrated or prolonged contact may cause conjunctival edema and corneal destruction.

**Ingestion:** Swallowing may produce gastrointestinal upset. Symptoms from ingestion of large doses may include severe abdominal pain, vomiting, and diarrhea.

**Toxicological Data:** Toxicological studies were not performed on the blended product, although it is considered to be a severe eye irritant, and moderately irritating to the skin.

### **Toxicological Data (as Potassium Hydroxide):**

Oral LD50 (rat) : 273 mg/kg

#### **Information on likely routes of exposure**

**Ingestion :** Harmful if swallowed. Causes digestive tract burns.

**Inhalation :** Vapors and mist may irritate throat and respiratory system and cause coughing.

**Skin contact :** Causes skin burns.

**Eye contact :** Causes eye burns.

**Symptoms related to the physical, chemical and toxicological characteristics :** Burning pain and severe corrosive skin damage. Permanent eye damage including blindness could result.

**Acute toxicity :** Harmful if swallowed.

**Skin corrosion/irritation :** Causes severe skin burns and eye damage.

**Serious eye damage/eye irritation :** Causes severe eye burns. Causes serious eye damage.

**Respiratory sensitization :** No data available.

**Skin sensitization :** No data available.

**Germ cell mutagenicity :** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity:** This product does not contain any materials considered to be carcinogenous according to OSHA, NTP, IARC, or ACGIH.

**Reproductive toxicity :** No data available.

**Specific target organ toxicity - single exposure :** No data available.

**Specific target organ toxicity - repeated exposure :** No data available.

### **Toxicological Data (as Potassium Carbonate):**

Acute Oral LD50 (rats) = 1870 mg/kg

**Carcinogenicity:** This product does not contain any materials considered to be carcinogenous according to OSHA, NTP, IARC, or ACGIH.

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## SECTION 12 : ECOLOGICAL INFORMATION

**Exotoxicological Information:** No data found for the blended product.

**Exotoxicological Information (as Potassium Hydroxide):**

**Aquatic Toxicity :** LC50, 96 hours (Western mosquitofish, *Gambusia affinis*) = 80 mg/l

**General :** Can cause damage to vegetation. Toxicity is primarily associated with pH. Toxic to aquatic life.

**Environmental Effects :** Can be dangerous if allowed to enter drinking water intakes. Do not contaminate domestic or irrigation water supplies, lakes, streams, ponds, or rivers.

**Persistence and Degradation :** Degrades readily by reacting with natural carbon dioxide in the air. Does not bioaccumulate.

**Mobility in Soil :** Not available

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## SECTION 13 : DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Recycle, recovery and reuse of materials, where permitted, is encouraged as an alternate to disposal as a waste. Hazardous waste classification under federal regulations (40 CFR Part 261 et seq) is dependent upon whether a material is a RCRA listed hazardous waste or has any of the four RCRA hazardous waste characteristics. Refer to 40 CFR Part 261.33 to determine if a given material to be disposed of is a RCRA listed hazardous waste. RCRA Hazardous Waste Characteristics: There are four characteristics defined in 40 CFR Section 261.21-61.24: *Ignitability, Corrosivity, Reactivity, and Toxicity*. To determine Ignitability, see Section 9 of this SDS (flash point). For Corrosivity, see Sections 9 and 14 (pH and DOT corrosivity). For Reactivity, see Section 10 (incompatible materials). For Toxicity, see Section 2 (composition). Federal regulations are subject to change. State and local requirements, which may differ from or be more stringent than the federal regulations, may also apply to the classification of the material if it is to be disposed.

**Is the unused product a RCRA hazardous waste (40CFR261.33) if discarded?** No

**If yes, the RCRA ID number is :** N/A

## SECTION 14 : TRANSPORTATION INFORMATION

**Transportation Emergency Telephone Number:** 3E 24 hour number : (855) 347-8203

**UN Number / DOT Proper Shipping Name / DOT Hazard Class /Packing Group / DOT Label & other information:** NOT REGULATED BY DOT (mildly alkaline cleaning liquid NOIBN)

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## SECTION 15 : REGULATORY INFORMATION

### US FEDERAL REGULATIONS :

**TSCA (Toxic Substances Control Act) Status :** TSCA (United States) The intentional ingredients of this product are listed.

### **CERCLA RQ - 40 CFR 302.4(a) :**

<u>Component</u>	<u>RQ (lbs)</u>
POTASSIUM HYDROXIDE	1000

**SARA 302 Components - 40CFR 355 Appendix A =** None.

### **Section 311/312 Hazard Class - 40 CFR 370.2 =**

Immediate, Delayed (as Potassium Hydroxide)

**SARA Regulations 313 and 40 CFR 372.65:** This product does not contain any chemicals subject to reporting requirements.

### INTERNATIONAL REGULATIONS :

**Potassium Hydroxide** (CAS# 1310-58-3) is listed on the following inventories : AICS (Australia), DSL (Canada), IECSC (China), EINECS (Europe), ENCS (Japan), ECL (Korea), New Zealand Inventory, PICCS (Philippines)

### STATE REGULATIONS :

**Potassium Hydroxide** (CAS# 1310-58-3) is listed on the following inventories : Pennsylvania Right-to-Know Hazardous Substances, Massachusetts RTK Substance List, Rhode Island RTK.

**California Safe Drinking Water Act (Prop. 65) Listing :** None listed

## SECTION 16 : OTHER INFORMATION

**NFPA Rating :** HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0  
NFPA hazard degree designation 704: 4 = extreme, 3 = high, 2 = moderate, 1 = slight, 0 = none.

**Revision Date :** 11/20/2015

Information and data compiled to compose this SDS is correct to the best of our knowledge as of the printed date, and is offered solely for your consideration, investigation, and verification.